

## Process and System for Tunable Filter Optical Train Alignment

5           An alignment process for a fiber optic system, which includes at least one lens and a tunable filter element, comprises transmitting an optical signal into the system and detecting a back-reflection from the lens and/or the tunable filter element. The position of the lens relative to the tunable filter element is then manipulated in response to the back-reflection. This alignment prevents the excitation of higher order modes.